Title (en)

TRANSGENIC MICE EXPRESSING FLUORESCENT PROTEIN UNDER THE CONTROL OF THE NESTIN PROMOTER

Title (de)

TRANSGENE MÄUSE, DIE EIN FLUORESZENZMARKIERTES PROTEIN EXPRIMIEREN, DAS VOM NESTIN-PROMOTER KONTROLLIERT WIRD

Title (fr)

SOURIS TRANSGENIQUES EXPRIMANT UNE PROTEINE FLUORESCENTE

Publication

EP 1235857 A1 20020904 (EN)

Application

EP 00978585 A 20001114

Priority

- US 0031150 W 20001114
- US 44433599 A 19991119

Abstract (en)

[origin: WO0136482A1] Non-human transgenic mammals are produced which have, incorporated in their genome, DNA which includes a regulatory sequence of a mammalian nestin gene, operably linked to a gene coding for a marker/reporter protein. The regulatory sequence can include a promoter and a sequence present in the second intron of the mammmalian nestin gene. Preferably, the marker/reporter protein is a fluorescent protein, for example a green fluorescent protein, modified for enhanced fluorescence. Multipotent and, in particular, neural stem and progenitor cell populations are observed in the organs of the non-transgenic mammal or progeny thereof. Multipotent stem and progenitor cells are isolated directly from the non-human transgenic mammal, progeny or embryo thereof, for example by FACS, without culture passages.

IPC 1-7

C07K 14/47; A01K 67/027; C12N 5/10

IPC 8 full level

A01K 67/027 (2006.01); **C07K 14/47** (2006.01); **C12N 5/10** (2006.01); **C12N 15/09** (2006.01); **C12N 15/85** (2006.01); **C12Q 1/02** (2006.01)

CPC (source: EP US)

A01K 67/0271 (2013.01 - EP US); **A01K 67/0275** (2013.01 - EP US); **C07K 14/47** (2013.01 - EP US); **C12N 15/8509** (2013.01 - EP US); A01K 2217/05 (2013.01 - EP US); A01K 2227/105 (2013.01 - EP US); A01K 2267/03 (2013.01 - EP US); A01K 2267/0393 (2013.01 - EP US)

Citation (search report)

See references of WO 0136482A1

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